

39 (New). A method according to claim 38, including the step of contacting said porous device with a first reagent under conditions which cause said first reagent to react with said active material, so that a bond is formed between the active material and said first reagent (or a fragment thereof).

Sub
B7
40 (New). A method according to claim 38, which involves contacting said porous device with reagents in order to prepare a compound which is covalently bonded to the active material of the porous device.

41 (New). A method according to claim 38, wherein said active material is arranged to act as a support for a compound prepared in solid phase synthesis.

42 (New). A method according to claim 38, wherein said active material includes a linker or is covalently bonded to a linker in said synthesis.

43 (New). A method according to claim 38, which includes the step of cleaving a compound prepared from the active material.

44 (New). A method according to claim 38, wherein material(s) which make(s) up said internal region is/are fixed in position in said internal region.

45 (New). A method according to claim 38, wherein the arrangement and/or position of particles of said active material is predetermined.

46 (New). A method according to claim 38, wherein said internal region is not flowable.

47 (New). A method according to claim 38, wherein said internal region comprises a random network of pores which network has a substantially fixed configuration.

48 (New). A method according to claim 38, wherein said porous device has a predetermined shape.

49 (New). A method according to claim 38, wherein the porosity at a surface of the device is substantially the same as the porosity of the internal region adjacent said surface.

50 (New). A method according to claim 38, wherein said porous device is substantially self-supporting.

51 (New). A method according to claim 38, wherein said internal region of said porous device is defined by active material such that said internal region consists essentially of active material.

Sub
B2
cont.
52 (New). A method according to claim 38, wherein said porous device comprises an inert material and an active material.

53 (New). A method according to claim 38, wherein the inert material is arranged to entrap the active material within the internal region of the device.

54 (New). A method according to claim 38, wherein said inert material defines a porous support means and said active material is arranged within pores of said porous support means.

55 (New). A method according to claim 52, wherein said active material is not covalently bonded to said porous support means.

56 (New). A method according to claim 52, wherein the active material is in the form of a multiplicity of individual particles, wherein said particles are separated from one another by said inert material.

57 (New). A method according to claim 52, wherein said inert material is a thermoplastic.

58 (New). A method according to claim 38, wherein particles of said active material are substantially spherical.


59 (New). A method of synthesizing a plurality of different compounds, the method using a plurality of porous devices of the type described in claim 38, the method including contacting a first said porous device with a first sequence of reagents and contacting a second said porous device with a second sequence of reagents wherein said first and second sequences of reagents are different, thereby to prepare different compounds on said first and second porous devices.

60 (New). A method according to claim 59, which is a method of synthesizing N different compounds, wherein N is a positive integer, using N porous devices, the method including using N different sequences of reagents and contacting said porous devices with a respective sequence thereby to prepare respective different compounds on said porous devices.

61 (New). A method according to claim 59, wherein said devices include identifying means for uniquely identifying the devices from one another.

✓
62 (New). A method of effecting an interaction between an active material and another material (hereinafter an "interacting material"), the method using a porous device comprising a body having an internal region which is porous, wherein said active material is entrapped within the internal region.

63 (New). A porous device comprising a body having an internal region which is porous, wherein an active material is entrapped within the internal region.

 64 (New). A device according to claim 63, wherein said active material includes a linker.

65 (New). A device according to claim 63, wherein said device includes an identification means associated therewith.

66 (New). A collocation or an assembly comprising a plurality of porous devices according to claim 63.

67 (New). A collocation or assembly according to claim 66, wherein each porous device includes a unique identification means.

68 (New). A collocation or assembly according to claim 66, wherein the devices support a plurality of different compounds.

69 (New). A method of synthesizing a library of compounds, the method using a plurality of porous devices according to claim 63 and including the step of subjecting each porous device to a unique sequence of treatments and/or reactions, thereby to prepare different compounds on the porous devices.

70 (New). A method of manufacturing a porous device as described in claim 38, the method comprising causing a body having a porous internal region to form with an active material entrapped therewithin.

71 (New). A method according to claim 70, which comprises co-sintering particles of an inert material with particles of an active material thereby to define the internal region of said porous device.

72 (New). A method according to claim 70, wherein said active material is for use in a method of synthesis; or is a reagent for use in a chemical reaction; or is a catalyst for use in a chemical reaction.

✓
73 (New). A substrate for use in solid phase chemistry comprising

KOBYLECKI

Serial No. **Unassigned**

a chemically active specie bearing or containing accessible functionality
and a matrix forming material.

74 (New). The use of a substrate according to claim 73, as a substrate in
solid phase chemistry.